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<b>F</b>			Attorney Docket No. 08212/0200386-US0							
<u> </u>	UTILITY			ventor			Wang		7-000	
PAT	TENT APPLICATION									
	TRANSMITTAL Title				FAST RULE LOOKUP WITH ARBITRARY IP RANGE CONFIGURATIONS					
(Only for new non	new nonprovisional applications under 37 CFR 1.53(b))					s Mail Label No. EV398894034US				
	S Mail L									
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.					MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450					
1. X Fee Transmittal Form (e.g., PTO/SB/17) 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)									large table or	
2 Applicar	nt claims small e	8. Nucleotide and/or Amino Acid Sequence Submission								
3. X Specifica	CFR 1.27. ation		(if applicable, all necessary) a. Computer Readable Form (CRF)							
(preferred arrangement set forth below)  b. Specification Sequence Listing on:										
- Cross	- Descriptive true or the invention - Cross Reference to Related Applications i. CD-ROM or CD-R (2 copies); or ii. Paper									
- Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table,  c. Statements verifying identity of above copies										
or a computer program listing appendix  Background of the Invention  ACCOMPANYING APPLICATION PARTS								CATION PARTS		
- Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Detailed Description							et & document(s))			
Claim(a)					10. 37 CFR 3.73(b) Statement Power of Attorney					
4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 5 ] 11. English Translation Document (if applicable)								if applicable)		
5. Oath or Declaration [Total Sheets 3 ] 12. Information Disclosure Statement (IDS)/PTO-1449 Citations										
a. X Newly executed (original or copy)  13. Preliminary Amendment										
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)  14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)										
L BEEF TON OF HIVE MICHAEL					15. Certified Copy of Priority Document(s) (if foreign priority is claimed)					
Signed statement attached deleting inventor(s) named in the prior application, see 37 CF3 (50/4) and 1.3(h)					16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.					
								ate of Express Mailing		
6. X Application Data Sheet. See 37 CFR 1.76										
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:										
Continuation Divisional Continuation-in-part (CIP) of prior application No.:										
Prior application information: Examiner Art Unit:										
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.										
19. CORRESPONDENCE ADDRESS										
X Custome	Customer Number: 38879		9	OR			Correspo	Correspondence address below		
DARBY & DARBY P.C. John W. Branch										
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Name (Print/Type) John W. Branch Registration No. (Attorney/Agent) 41,633							41,633			
Signature Date January 14, 2004								nuary 14, 2004		
	17	-								

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known TRANSMITTAL **Application Number** Not Yet Assigned S for FY 2004 Concurrently Herewith Filing Date First Named Inventor Bing Wang Effective 10/01/2003, Patent fees are subject to annual revision. **Examiner Name** Not Yet Assigned Applicant claims small entity status. See 37 CFR 1.27 Art Unit TOTAL AMOUNT OF PAYMENT 828.00 Attorney Docket No. 08212/0200386-US0 (\$) METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) Credit Money Х Check Other None 3. ADDITIONAL FEES Deposit Account: Small Entity Large Entity Deposit 04-0100 Fee Account Fee Description Code (\$) Code (\$) Number Fee Paid Deposit 1051 130 2051 65 Surcharge - late filing fee or oath Darby & Darby P.C. Account Surcharge - late provisional filing fee or cover 1052 50 2052 25 The Director is authorized to: (check all that apply) sheet. Charge fee(s) indicated below X Credit any overpayments 1053 130 1053 130 Non-English specification Charge any additional fee(s) or any underpayment of fee(s) 1812 2,520 1812 2,520 For filing a request for ex parte reexamination Requesting publication of SIR prior to 1804 920\* 1804 Charge fee(s) indicated below, except for the filing fee Examiner action Requesting publication of SIR after to the above-identified deposit account. 1.840 1805 Examiner action **FEE CALCULATION** 1251 110 2251 Extension for reply within first month 1. BASIC FILING FEE 1252 420 2252 210 Extension for reply within second month Large Entity **Small Entity** 2253 1253 950 475 Extension for reply within third month Fee Fee Fee Fee Fee Description Fee Paid 1254 1,480 2254 740 Extension for reply within fourth month Code (\$) Code (\$) 1001 770 2001 385 Utility filing fee 770.00 2255 1255 2.010 1,005 Extension for reply within fifth month 1002 340 2002 170 Design filing fee 1401 2401 330 165 Notice of Appeal 1003 530 2003 265 Plant filing fee 1402 330 2402 165 Filing a brief in support of an appeal 770 2004 385 1004 Reissue filing fee 1403 290 2403 145 Request for oral hearing 1005 160 2005 80 Provisional filing fee 1451 1,510 1451 1,510 Petition to institute a public use proceeding 1452 110 2452 Petition to revive - unavoidable SUBTOTAL (1) (\$) 770.00 1453 1,330 2453 665 Petition to revive - unintentional 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 1,330 2501 665 Utility issue fee (or reissue) 1502 480 2502 240 Design issue fee Fee Paid Claims below **Total Claims** 21 -20\*\* = 1 18.00 18.00 1503 640 2503 320 Plant issue fee Independent 3 -3\*\* = 0.00 1460 130 1460 130 Petitions to the Commissioner Claims 1807 Processing fee under 37 CFR 1.17(q) 1807 50 50 Multiple Dependent 1806 180 1806 180 Submission of Information Disclosure Stmt Large Entity Small Entity Fee Fee Recording each patent assignment per Fee Description 8021 40 8021 40.00 Code (\$) Code (\$) property (times number of properties) 1202 18 2202 9 Claims in excess of 20 Filing a submission after final rejection 1809 770 2809 (37 CFR 1.129(a)) 1201 86 2201 43 Independent claims in excess of 3 For each additional invention to be 770 2810 1203 290 2203 145 Multiple dependent claim, if not paid examined (37CFR 1.129(b)) 1204 86 2204 \*\* Reissue independent claims 1801 770 2801 385 Request for Continued Examination (RCE) over original patent Request for expedited examination 900 1802 1205 18 2205 9 \*\* Reissue claims in excess of 20 of a design application and over original patent Other fee (specify) SUBTOTAL (2) (\$) \*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00 \*\*or number previously paid, if greater, For Reissues, see above SUBMITTED BY (Complete (if applicable)) Registration No. Name (Print/Type) Joha W. Branch 41.633 Telephone (206) 262-8900 (Attorney/Agent) Signature January 14, 2004 Date

Dated: January 14, 2004

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Attorney Docket No.: 08212/0200386-US0

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Utility Patent Application Transmittal (1 page)

Fee Transmittal (1 page)

Certificate of Express Mailing (1 page) Application Data Sheet (2 pages)

Check in the amount of \$828.00

Assignment papers (3 pages)

Oath or declaration (3 pages)

Specification (18 pages)

5 drawings (5 sheets; Figs. 1, 2A-2C, 3A-3B, 4 and 5)